

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX073025\
 Data File : VX047188.D
 Acq On : 30 Jul 2025 16:32
 Operator : JC/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Jul 31 03:18:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 22 03:59:51 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 07/31/2025
 Supervised By : Mahesh Dadoda 07/31/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.562	168	271067	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	466271	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	409029	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	197207	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	162347	48.079	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.160%		
35) Dibromofluoromethane	5.397	113	139569	48.480	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.960%		
50) Toluene-d8	8.653	98	423068	45.378	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	90.760%#		
62) 4-Bromofluorobenzene	11.079	95	189579	47.185	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	94.360%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.185	85	186519	51.804	ug/l	98
3) Chloromethane	1.313	50	168461	47.301	ug/l	98
4) Vinyl Chloride	1.392	62	200988	52.498	ug/l	99
5) Bromomethane	1.630	94	101808	48.954	ug/l	96
6) Chloroethane	1.709	64	117275	46.640	ug/l	99
7) Trichlorofluoromethane	1.904	101	295449	51.754	ug/l	100
8) Diethyl Ether	2.148	74	106431	52.876	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.349	101	176654	51.362	ug/l	99
10) Methyl Iodide	2.471	142	215516	61.483	ug/l	99
11) Tert butyl alcohol	2.959	59	121197	309.489	ug/l	100
12) 1,1-Dichloroethene	2.337	96	175228	51.439	ug/l	99
13) Acrolein	2.252	56	163473	224.844	ug/l	99
14) Allyl chloride	2.678	41	292445	47.492	ug/l	94
15) Acrylonitrile	3.081	53	460297	285.826	ug/l	99
16) Acetone	2.392	43	382208	282.554	ug/l	97
17) Carbon Disulfide	2.532	76	446616	45.319	ug/l	100
18) Methyl Acetate	2.715	43	246331	68.525	ug/l	99
19) Methyl tert-butyl Ether	3.123	73	580143	55.958	ug/l	99
20) Methylene Chloride	2.806	84	187682	50.433	ug/l	99
21) trans-1,2-Dichloroethene	3.105	96	177745	50.989	ug/l	97
22) Diisopropyl ether	3.770	45	637909	53.882	ug/l	98
23) Vinyl Acetate	3.733	43	2647147	278.776	ug/l	100
24) 1,1-Dichloroethane	3.623	63	342919	52.089	ug/l	99
25) 2-Butanone	4.562	43	578853	293.889	ug/l	99
26) 2,2-Dichloropropane	4.489	77	210304	41.267	ug/l	99
27) cis-1,2-Dichloroethene	4.501	96	213956	51.831	ug/l	98
28) Bromochloromethane	4.910	49	168000	55.468	ug/l	99
29) Tetrahydrofuran	5.019	42	366594	288.467	ug/l	98
30) Chloroform	5.105	83	342803	51.154	ug/l	98
31) Cyclohexane	5.483	56	302955	47.994	ug/l	99
32) 1,1,1-Trichloroethane	5.397	97	300364	51.603	ug/l	99
36) 1,1-Dichloropropene	5.702	75	236997	48.294	ug/l	99
37) Ethyl Acetate	4.721	43	261858	57.909	ug/l	99
38) Carbon Tetrachloride	5.690	117	258693	49.390	ug/l	99
39) Methylcyclohexane	7.385	83	294511	48.067	ug/l	98
40) Benzene	6.050	78	711004	50.064	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.934	41	123093	52.062	ug/l	94
42) 1,2-Dichloroethane	6.092	62	257246	51.421	ug/l	100
43) Isopropyl Acetate	6.348	43	414414	58.786	ug/l	99
44) Trichloroethene	7.129	130	176841	48.558	ug/l	99
45) 1,2-Dichloropropane	7.434	63	179966	50.595	ug/l	96
46) Dibromomethane	7.586	93	130150	52.178	ug/l	99
47) Bromodichloromethane	7.824	83	272382	51.303	ug/l	97
48) Methyl methacrylate	7.696	41	210735	54.874	ug/l	100
49) 1,4-Dioxane	7.720	88	51403	1176.839	ug/l #	93
51) 4-Methyl-2-Pentanone	8.574	43	1218464	290.793	ug/l	100
52) Toluene	8.720	92	436703	50.009	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	251440	50.152	ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	274295	49.988	ug/l	99
55) 1,1,2-Trichloroethane	9.153	97	170504	52.064	ug/l	97
56) Ethyl methacrylate	9.116	69	275666	56.859	ug/l	99
57) 1,3-Dichloropropane	9.305	76	289457	50.857	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	737278	273.281	ug/l	99
59) 2-Hexanone	9.427	43	849513	306.867	ug/l	100
60) Dibromochloromethane	9.519	129	201095	52.356	ug/l	99
61) 1,2-Dibromoethane	9.610	107	172526	50.382	ug/l	99
64) Tetrachloroethene	9.275	164	143478	48.659	ug/l	96
65) Chlorobenzene	10.079	112	476427	49.720	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	166710	51.675	ug/l	99
67) Ethyl Benzene	10.195	91	847021	50.556	ug/l	100
68) m/p-Xylenes	10.299	106	623200	99.399	ug/l	100
69) o-Xylene	10.640	106	304713	51.088	ug/l	99
70) Styrene	10.653	104	526987	51.526	ug/l	100
71) Bromoform	10.799	173	133550	54.496	ug/l #	99
73) Isopropylbenzene	10.963	105	809566	52.034	ug/l	99
74) N-amyl acetate	10.842	43	352710	56.186	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	245158	55.164	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	201427m	55.182	ug/l	
77) Bromobenzene	11.195	156	191880	51.418	ug/l	99
78) n-propylbenzene	11.305	91	955754	51.406	ug/l	99
79) 2-Chlorotoluene	11.360	91	567408	51.055	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	659175	51.283	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	54494	38.463	ug/l	99
82) 4-Chlorotoluene	11.451	91	660711	50.933	ug/l	99
83) tert-Butylbenzene	11.713	119	676262	52.419	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	663255	51.734	ug/l	100
85) sec-Butylbenzene	11.890	105	835542	51.834	ug/l	100
86) p-Isopropyltoluene	12.006	119	695985	52.066	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	354473	49.992	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	357691	49.792	ug/l	98
89) n-Butylbenzene	12.329	91	649430	51.806	ug/l	99
90) Hexachloroethane	12.536	117	125596	52.520	ug/l	98
91) 1,2-Dichlorobenzene	12.329	146	341535	50.397	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	50425	59.110	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	232596	51.948	ug/l	99
94) Hexachlorobutadiene	13.719	225	81494	53.518	ug/l	98
95) Naphthalene	13.774	128	740137	56.387	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	224251	51.988	ug/l	99

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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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